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SPECIFICATION

Responsible Department in Turkey

NAME: Turkish Patent and Trademark Office
ADDRESS: Hipodrom Caddesi No:13 (06560) Yenimahalle/ANKARA TURKEY
TEL: +90 312 303 10 00
E-MAIL: cografiisaret@turkpatent.gov.tr

Applicant Group

NAME: Araban Chamber of Agriculture
ADDRESS: Mehmet Gökçek Avenue Dr. Asım Güzelbey Street No: 30 Araban / Gaziantep
TEL: +90 342 611 34 32
E-MAIL: araban@tzob.gov.tr

'Araban Chamber of Agriculture' is applying on behalf of the producers of 'Araban Sarımsağı'.

1. Name of the product

'Araban Sarımsağı'

2. Product Description

'Araban Sarımsağı' is a garlic with white bulb skin and cloves skin color and cream-yellow gum color. It belongs to the genus *Allium Sativum* L. The bulb of "Araban Sarımsağı", which is an early growing garlic due to the climate and growing conditions, is oval in cross section and elliptical in longitudinal section. There are strips on the bulb skin and clove.

The number of 'Araban Sarımsağı' cloves in each bulb is approximately 10 to 15. Average cloves weight is 4 to 7g and average length is 1 to 3 cm. The number of protective skins in each bulb of garlic is between 5 to 10 pieces. Although the bulb weight can reach up to 100g depending on the growing conditions, the average weight is between 40 to 60g. The bulb diameter is between 80 to 150mm. It is easily separated from the skin. The dry matter ratio is in the range of 32% to 42%. The average storage period is minimum 5, maximum 10 months.

3. Definition of the geographical area

The demarcated geographical area covers all the villages and towns belonging to the Araban district in Gaziantep province in Southeastern Anatolia region.

4. Proof of origin

'Araban Sarımsağı' is produced only by planting 'Araban Sarımsağı' variety of garlic, which is grown within the borders of Gaziantep's Araban district. Operations related to its cultivation, production, harvest and processing must be carried out within the specified

geographical area and these operations are subject to control. The Araban Plain has clay loam soils with high humus content, and it has the characteristics that garlic needs in terms of organic matter. Due to the climatic characteristics of the region, it is planted before winter and in October-November. The plant spends the winter in the soil, meets the need for adequate and necessary cooling, which increases the durability of the product.

The origin and compliance of the 'Araban Sarımsağı' with the specification are provided by experts. Inspections are coordinated by Araban District Governorate and carried out together with Gaziantep Provincial Directorate of Agriculture and Forestry, Gaziantep University Araban Vocational School, Araban Chamber of Agriculture, expert engineers and domestic producers.

Inspections are carried out regularly twice a year, whenever needed and in case of complaints. In the 1st step of the inspections carried out in 2 main stages, the lands of the registered producers who will plant geographically indicated products are determined and the suitability of seed selection is also checked and recorded in October and November when garlic is planted.

The second control is done in May and later, which coincides with the garlic harvest and after. Harvested products are checked and the appropriate product amount is determined and recorded. The registered products are labeled according to the date and batch number and stored under appropriate conditions.

5. Description of the method of obtaining the agricultural product or foodstuff

The planting of 'Araban Sarımsağı' is realized in October and November. The land where garlic will be planted is processed deeply once in September and once in October, and once in an outcrop. During this period, an average of 8 to 10kg of phosphorus and potassium fertilizers are applied to the soil. Before planting, the soil cultivator, disc harrow or curum is pulled and liquidated and prepared for planting. Garlic cloves are buried in the soil at 10 to 12cm intervals. Later, nitrogenous fertilizers are thrown as falling 23 to 25kg per decare. The seed clove to be used in production are selected among the garlics harvested in May by the producers and stored in the appropriate temperature and humidity environment and in hangers until the planting time. The large clove surrounding the head are used in planting. 150-200 kg of garlic heads are used for each decare. Maintenance and cultural operations such as fertilizing, spraying, hoeing, irrigation, leaf breaking are carried out to increase the yield and quality of the product during the growing phase. Garlic is harvested in May; the dismantled garlic is placed in the soil. It is dried for 5 to 8 days and dried garlics are subjected to sorting and classification which then are offered for sale in local markets. The yield in the Araban plain varies between 1500 to 2000 kg per decare. Although it varies according to years in the Araban region, 6000 to 7000 families can produce 50000 to 55000 tons of garlic annually in 30000 decares. 50 to 60% of the produced garlic are immediately sold, the remaining is preserved in cold stores close to the region, depending on the market situation, offered for sale.

Since the producers in the region are the partners of the 'Araban Sarımsağı Producers Association', they will be under constant monitoring and control by the technical personnel

(Agricultural Engineers) of the Association in both input, production and harvest processing stages.

Link

Specificity of the geographical area

Economic production in 'Araban Sarımsağı' is carried out in regions transition from marine to continental climate. During the growing period, it shows optimum development at 15 to 20 °C temperature and 60 to 80% humidity.

Although high humidity has a positive effect, if it continues after the formation of clove and bulb, it can cause plant diseases. It does not require precipitation during the harvest period. Freezing may occur at temperatures below 0°C. In order to increase the yield of cloves, the temperature should be high, and there should be no precipitation, little or no irrigation.

Soil request

'Araban Sarımsağı' grows in light alluvial soils rich in nutrients and organic matter. In the region, the soil pH value is generally between 6.5-7, and the humus ratio is between 7-10%. These features are; It meets the sufficient and necessary cooling need of the product by spending the winter in the soil, and this increases the durability of the product. The crop is planted in October-November and the plant resistance is high because it spends the winter in the soil. Harvest is done in May.

Specificity of the product

It is the sulphurous essential oil, that is, the allinase enzyme, which gives 'Araban Sarımsağı' garlic its special smell and flavor. 'Araban Sarımsağı' contains an average of 0.4% sulphurous essential oil.

Large, the color of the head and the shell is white, the gingiva is cream-yellow, the dry-matter content and selenium content are high.

<u>100g of 'Araban Sarımsağı' contain</u>

Dry Matter 32-42g,

Water 55-70g,

Carbonhydrates 25-32g

Protein 5-6g

Fat 0.1-0.3g

Cellulose 0.9-1.3g

Causal link

Araban Plain has clayey-loamy soils with high humus ratio and has the characteristics that garlic needs in terms of organic matter. Due to the climatic characteristics of the region, it is cultivated before winter and in October-November. The plant meets the need for sufficient and necessary cooling by spending the winter in the soil, and this increases the durability of the product. It demonstrates a fast and balanced growth period from February and March and can be supplied to the market as an early growing product after harvesting in May.

6. Specific rules concerning labelling of the product the registered name refers to

The name ‘Araban Sarımsağı’ and Turkish Designation of Origin Emblem must be found on the packaging of the product.

Verification of the compliance with the specifications before placing the product on the market shall be carried out by Gaziantep Provincial Directorate of Agriculture and Forestry which is the public control authority under the Ministry of Agriculture and Forestry of the Republic of Turkey.

Name and address of the authorities or bodies verifying compliance with the provision of the specification [Article 11/*R.510*]

Control Authority:

Name: **Gaziantep Provincial Directorate of Agriculture and Forestry**
Address: Mücahitler Street Mareşal Fevzi Çakmak Avenue No: 102
27060 / Sehitkamil / Gaziantep
Telephone: + 90342 321 10 66
Email: gaziantep@tarimorman.gov.tr